

Title (en)  
 DUPLICATION-MODE COMMUNICATION PROCESSING METHOD AND DEVICE UNDER CU-DU ARCHITECTURE

Title (de)  
 VERFAHREN UND VORRICHTUNG ZUR VERARBEITUNG VON KOMMUNIKATION IM DUPLIKATIONSMODUS UNTER CU-DU-ARCHITEKTUR

Title (fr)  
 PROCÉDÉ ET DISPOSITIF DE TRAITEMENT DE COMMUNICATION EN MODE DE DUPLICATION DANS UNE ARCHITECTURE CU-DU

Publication  
**EP 3570626 A4 20200311 (EN)**

Application  
**EP 19738568 A 20190114**

Priority  
 • CN 201810032653 A 20180112  
 • CN 2019071563 W 20190114

Abstract (en)  
 [origin: EP3570626A1] Embodiments of this application provide a duplication (duplication) mode communication processing method in a central unit-distributed unit (CU-DU) architecture. In a possible implementation, in a process of establishing a user plane tunnel between a CU and a DU by exchanging information about uplink tunnel endpoints and information about downlink tunnel endpoints, the DU provides an identity of a primary path to the CU, thereby implementing a duplication mode of a data radio bearer.

IPC 8 full level  
**H04W 76/12** (2018.01); **H04L 1/08** (2006.01); **H04W 76/11** (2018.01); **H04W 76/15** (2018.01); **H04W 88/08** (2009.01); **H04W 92/12** (2009.01)

CPC (source: CN EP KR US)  
**H04L 1/08** (2013.01 - EP); **H04W 36/0033** (2013.01 - US); **H04W 36/02** (2013.01 - US); **H04W 76/11** (2018.01 - CN EP KR); **H04W 76/12** (2018.01 - CN EP KR US); **H04W 76/15** (2018.01 - US); **H04W 80/02** (2013.01 - US); **H04W 88/085** (2013.01 - KR US); **H04W 76/15** (2018.01 - EP); **H04W 88/085** (2013.01 - EP); **H04W 92/12** (2013.01 - EP)

Citation (search report)  
 • [XP] WO 2018203736 A1 20181108 - SAMSUNG ELECTRONICS CO LTD [KR]  
 • [X] SAMSUNG ET AL: "Discussions on CU-initiated UE context modification procedure over F1", vol. RAN WG3, no. Prague, Czech; 20171009 - 20171013, 17 November 2017 (2017-11-17), XP051373197, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg%5Fran/WG3%5Flu/TSGR3%5F98/Docs/> [retrieved on 20171117]  
 • [X] SAMSUNG ET AL: "Bearer management on supporting PDCP duplication in CA case", vol. RAN WG3, no. Berlin, Germany; 20170821 - 20170825, 21 August 2017 (2017-08-21), XP051319808, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings\_3GPP\_SYNC/RAN3/Docs/> [retrieved on 20170821]  
 • [X] HUAWEI: "PDCP duplication for CU-DU", vol. RAN WG3, no. Berlin, Germany; 20170821 - 20170825, 21 August 2017 (2017-08-21), XP051319959, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Meetings\_3GPP\_SYNC/RAN3/Docs/> [retrieved on 20170821]  
 • See references of WO 2019137519A1

Cited by  
 US2022158785A1

Designated contracting state (EPC)  
 AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
 BA ME

DOCDB simple family (publication)  
**EP 3570626 A1 20191120; EP 3570626 A4 20200311; EP 3570626 B1 20230329**; AU 2019207254 A1 20200130; AU 2019207254 B2 20210225; BR 112019018068 A2 20200721; CA 3049053 A1 20190712; CA 3049053 C 20220315; CN 110035563 A 20190719; CN 110035563 B 20230822; CN 110691424 A 20200114; CN 110691424 B 20200918; EP 4221443 A2 20230802; EP 4221443 A3 20231011; JP 2020511818 A 20200416; JP 6900495 B2 20210707; KR 102311647 B1 20211013; KR 102352184 B1 20220118; KR 20190100375 A 20190828; KR 20210126144 A 20211019; RU 2019126510 A 20210224; RU 2019126510 A3 20220216; US 10925103 B2 20210216; US 11483883 B2 20221025; US 2019327772 A1 20191024; US 2021227600 A1 20210722; WO 2019137519 A1 20190718

DOCDB simple family (application)  
**EP 19738568 A 20190114**; AU 2019207254 A 20190114; BR 112019018068 A 20190114; CA 3049053 A 20190114; CN 201810032653 A 20180112; CN 2019071563 W 20190114; CN 201910793693 A 20180112; EP 23158759 A 20190114; JP 2019543879 A 20190114; KR 20197022576 A 20190114; KR 20217031958 A 20190114; RU 2019126510 A 20190114; US 201916454397 A 20190627; US 202117155798 A 20210122